Specification for monolithic crystal filter: MQF 61.44-1200/01
V 50500-A1-B355

1. General
1.1. Package:
Pin 1: Input
Pin 5: Output
Pin 2, 3, 4, 6, 7, 8: GND

1.2. Type name: MQF 61.44-1200/01
1.3. Number of poles: 2
1.4. Operating temperature range: -20°C to +80°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal centre frequency fo: 61.44 MHz
2.2. Pass band
2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 6.0 kHz
2.2.2. Ripple: < 1.0 dB at fo ± 4.0 kHz
2.2.3. Insertion loss: < 3.0 dB
   (measured on smallest attenuation in pass band)
2.3. Stop band
2.3.1. fo ± 60 kHz > 30 dB
2.3.2. Alternate attenuation: > 40 dB (except spurious)
2.4. Terminating impedance (input and output): 650 Ω // 1.5 pF

3. Environment conditions:
3.1. Free fall: 150 cm 10 times on concrete board
3.2. Vibration: 5 to 150 Hz, 2g each axis for 1 hour
3.3. Soldering: 350 degC, 3 minutes
3.4. Solderability: solder tub 235 degC
3.5. High temperature test: 60 degC, 1000 hours
3.6. Humidity test: 60 degC, 95%, 1000 hours
3.7. Low temperature test: -40 degC, 1000 hours
3.8. Heat cycle: -40 degC to +85 degC, 100 cycles
4. Making on top of the package:

5. Reflow soldering profile:

Refloowing soldering: three times max.

Edited by: ___________________________ date: ____________ name: ___________________________